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UNIVATION TECHNOLOGIES

REFERENCE:

SUBJECT: BMI-200 G-1750 February 2007

DATA BY: CH/om

DATE: April 19, 2007 PROJECT NO.:

SUPERVISED BY:

LCM Compounding: Sample 1163-18-1BK

0.1	%	Irgenox	1010
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O. 1-1/2 Ings. for 168

0.05 % Ca St

6.5%	0092	Master
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Compounded approximately 20,000 lb.

Granular feedstock: (DBX-4606 H

Part 1 Bin 853

2/15/07

One gaylord compounded natural on ZSK-49 1163-R-1

[illegible]

workbook	dataset	Date	sampleID	Mn_L	Mw_L	DI_L	Mn_H	Mw_H	DI_H	spH	spread	Mn	Mw	Mz	Mz+1	DI
1163-18-177	fish07g17 (1)	2/15/07 7:13	603377	6,204	24,357	3.9	116,494	549,914	4.7	52.5	22.6	13,341	312,250	1,850,896	4,260,273	23.4
1163-18-408	fish07g17 (1)	2/15/07 9:30	603468	8,345	25,466	3.0	125,552	564,430	4.5	51.0	22.2	15,319	303,816	1,574,918	2,965,115	19.8

S-4 Rapid Crack Propagation Testing

250 Mm Pipe S-4 Test - Bedetel Report No. 8262

$P_c \geq 10 \text{ bars}$

critical pressure tested at 0°C

4 inch SOR II Pipe S.H Test - Jara Labs Project 07-3679 Final Report

$$T_c = -13^\circ\text{C}$$

Critical temperature T_c tested at pressure of 3 bars

Notched Pipe Slow Crack Growth

Per ISO 13479 80°C/9.2 hrs

Jany Lab's Report 07-3701

mean failure time: 3672 hrs

Table 2: Summary of Notched Pipe Test Results

Specimen ID	Client Sample ID	Test Time (hours)	Average Test Time* (hours)	Status	ISO 13478:1997(E) Requirement (Minimum Failure Time 165 hr)
07-1055-01	18-1	4.901	3,672 ± 338	SD Failure	Pass
07-1055-02		3.687		SD Failure	Pass
07-1055-03		3.330		SD Failure	Pass

^a Adjusted Average result \pm 1 standard deviation

WITNESSED AND UNDERSTOOD BY

DATE _____